

ABSTRACT OF THE DISCLOSURE

BATTERY PACK WITH AN IMPROVED COOLING STRUCTURE

A battery pack (1) includes an outer enclosure (2) and a forked air passage (72) for introducing cooling air via the intake port (9) formed in an outer enclosure (2), sending the air between cell groups (70) and (71) which contain cells (14a-14f), and discharging it from the outer enclosure at discharge ports (11). Two metallic radiator plates (73) partially define the air passage so as to be in contact with the side cells (14a-14d), whereas a circular radiator plate (74) made of synthetic resin also partially define the air passage so as to be in contact with the center cells (14e, 14f). The contact areas of the side cells with the metallic radiator plates (73) are varied in order to achieve even cooling of the cells. The upstream portion of the synthetic resin radiator plate has a thicker wall than the downstream portion to achieve the same purpose.

09707723-110700